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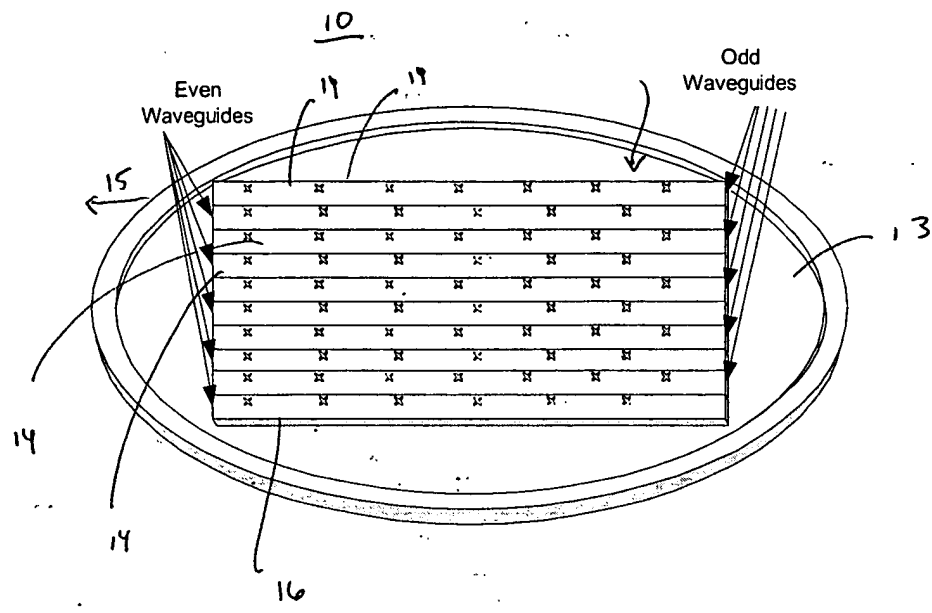


Fig. 1

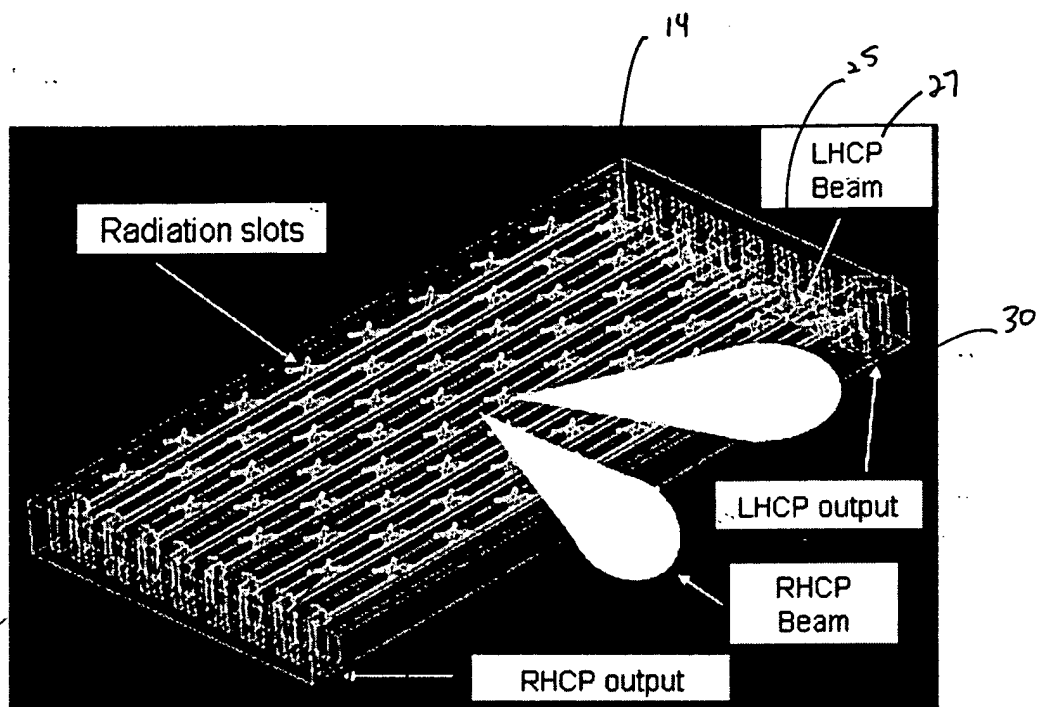
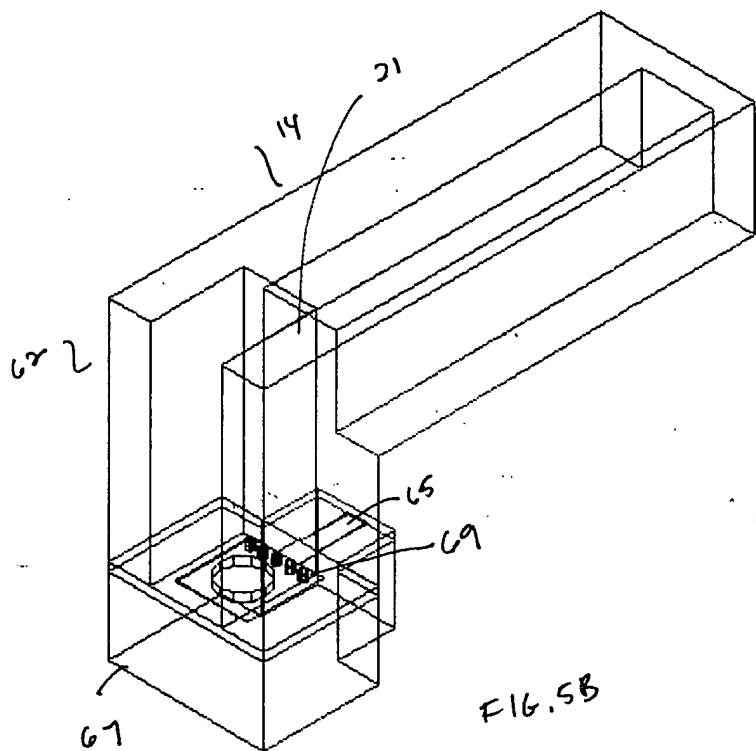
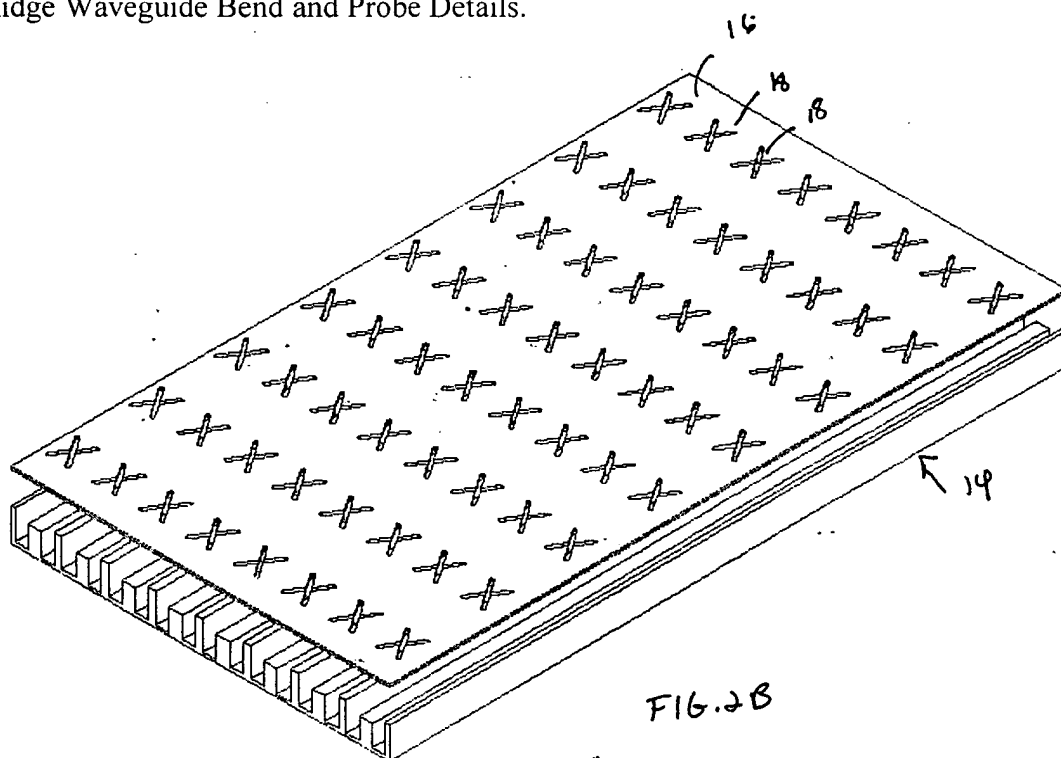


Fig. 2 A



Ridge Waveguide Bend and Probe Details.



Radiating Surface and Waveguide Body Decomposition

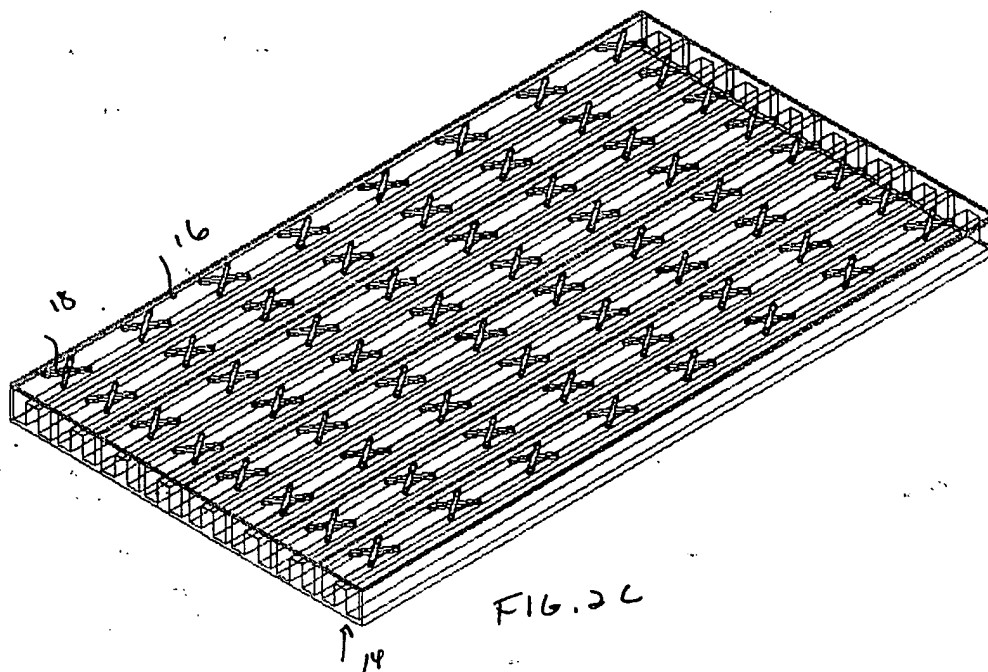
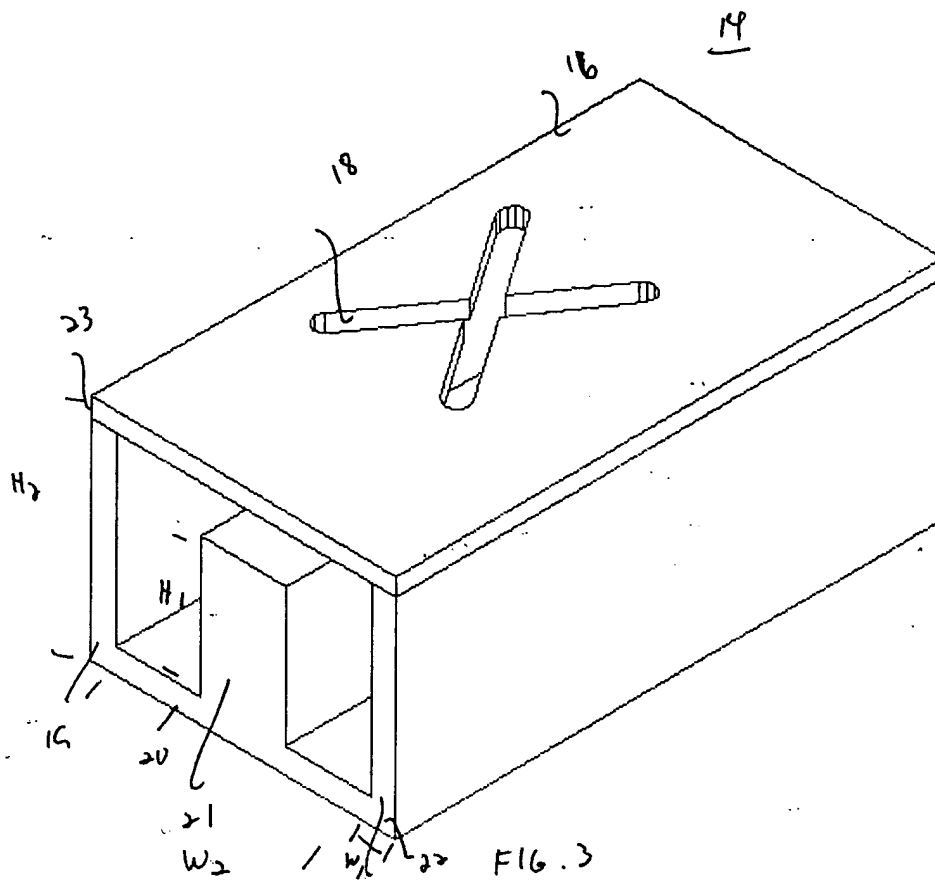
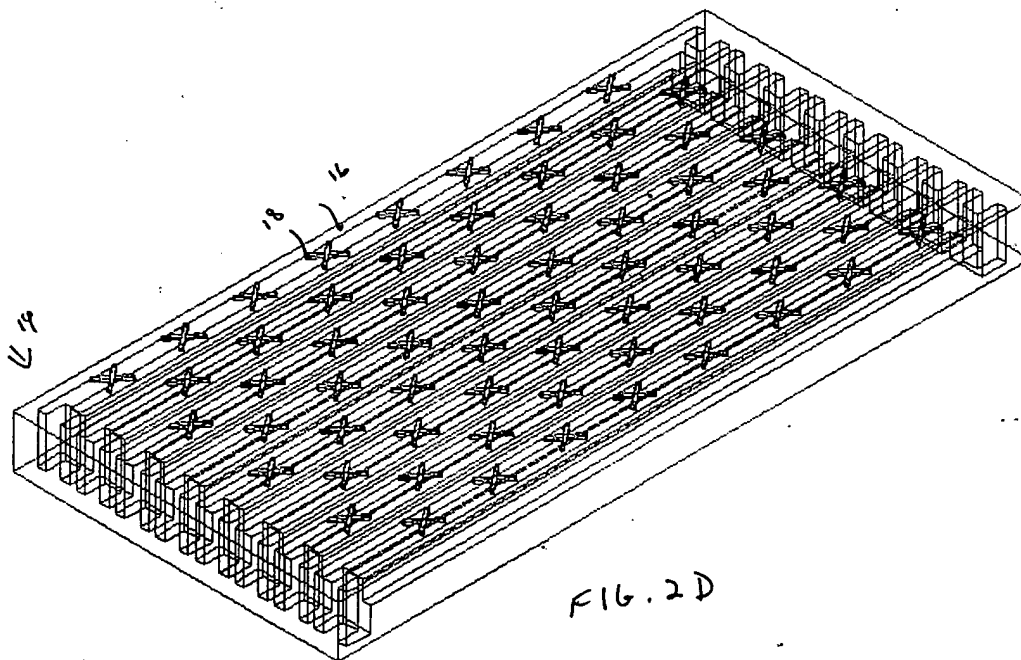


FIG. 2C



Ridge Waveguide Details 12



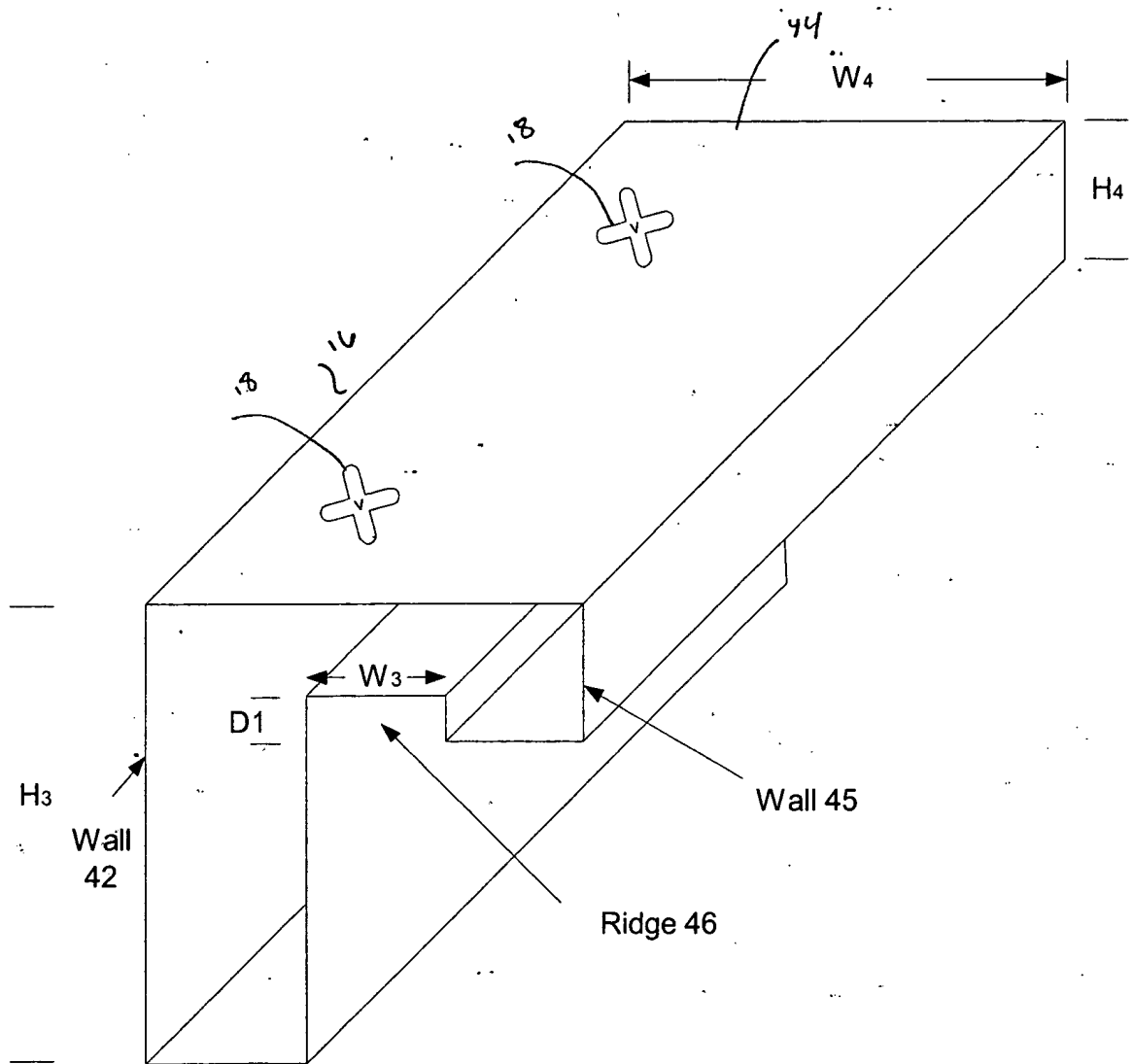


Fig. 4A

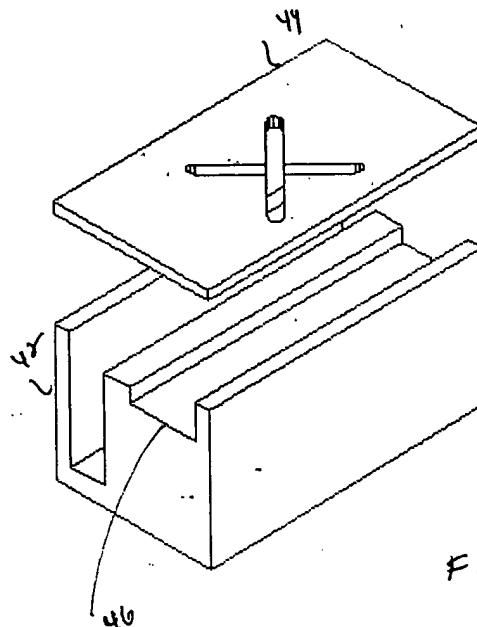
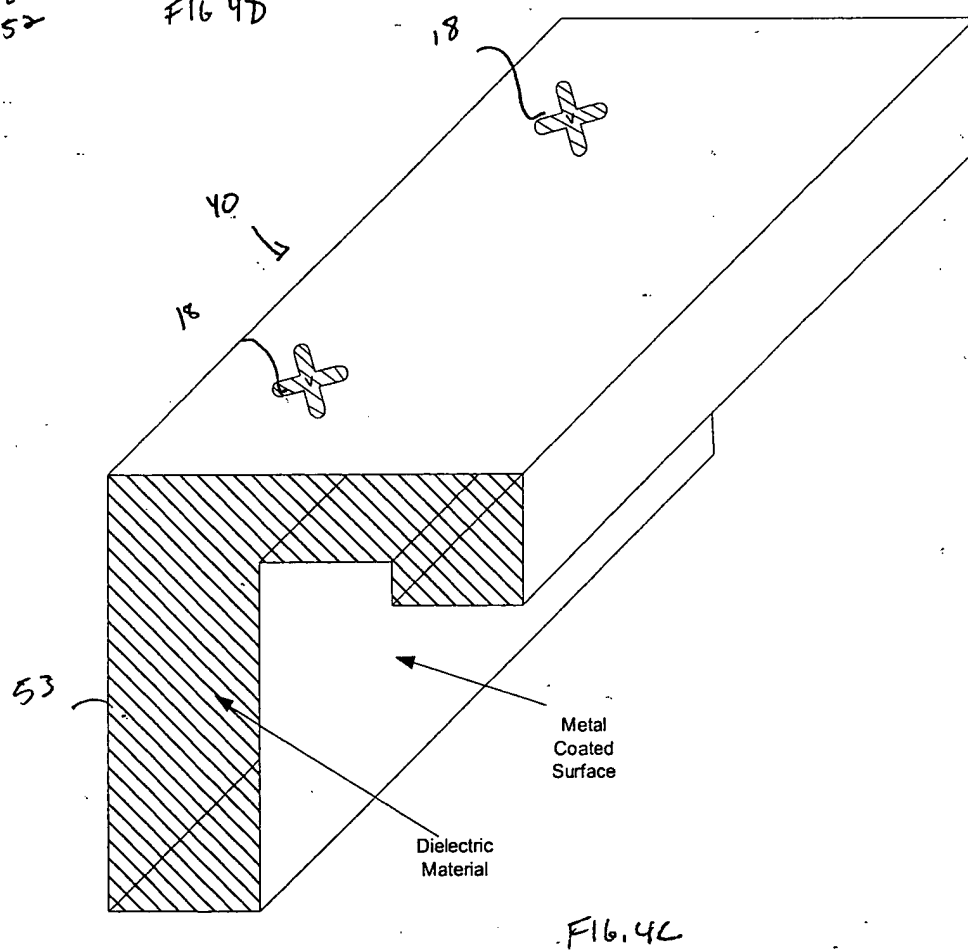
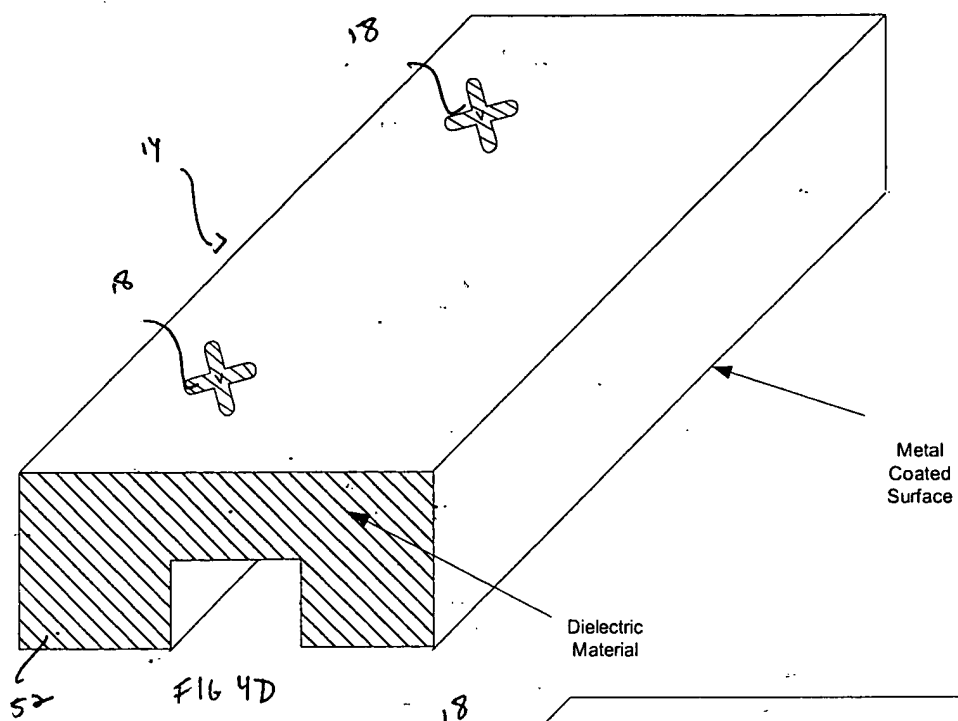
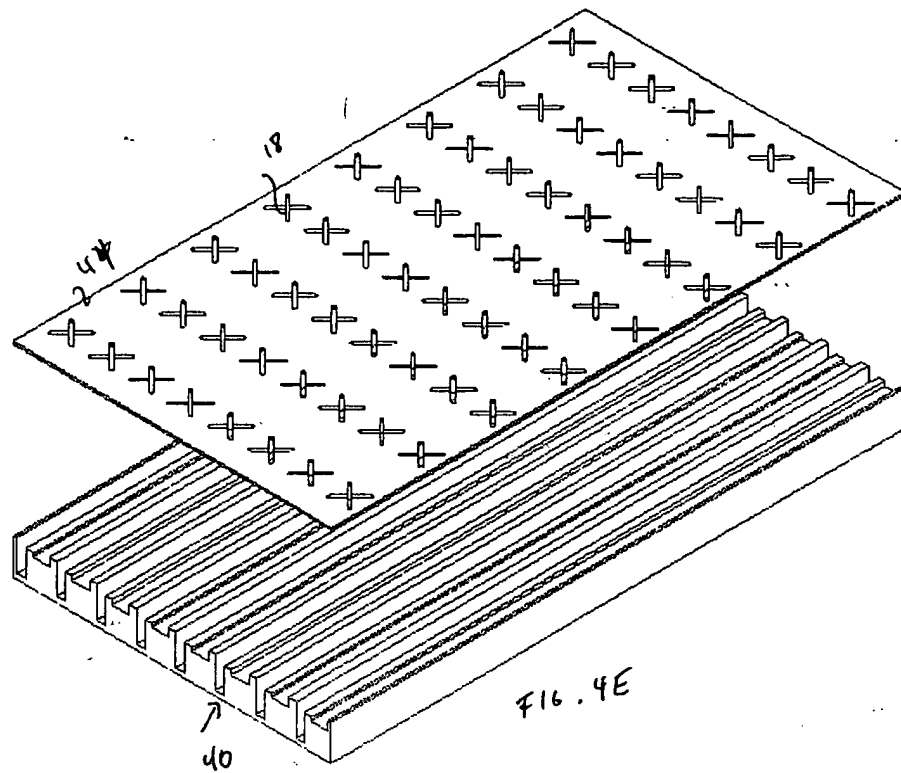


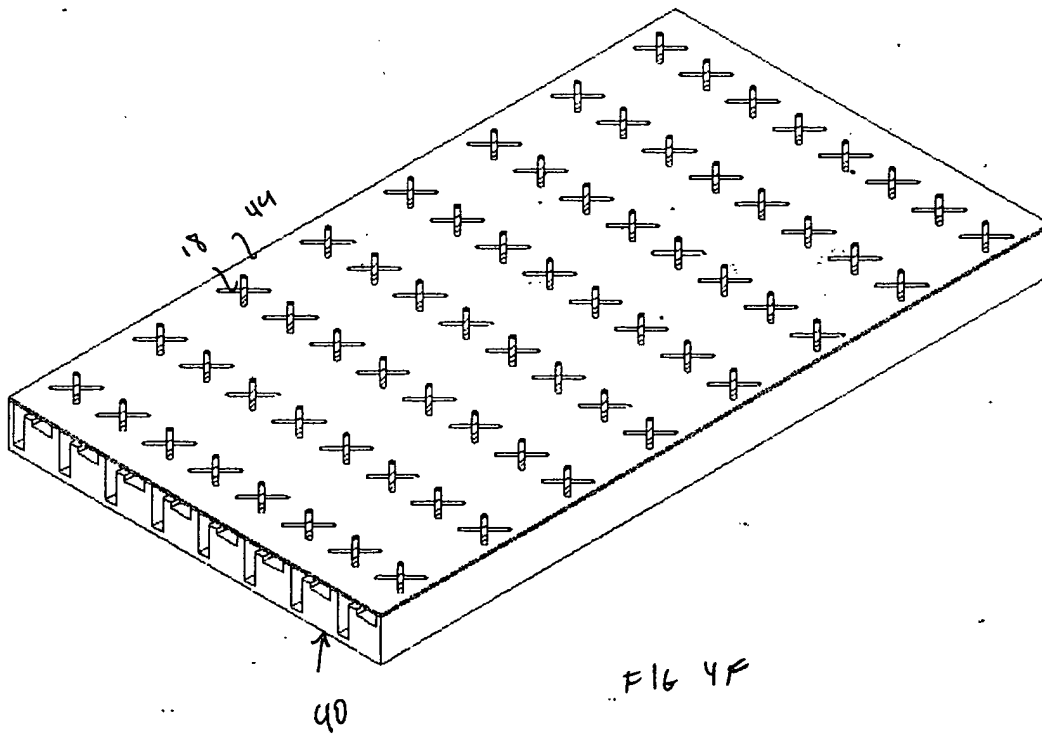
FIG 4B

Inverted L shape Waveguide Details





Inverted L shape Waveguide Body and Radiating Surface Details



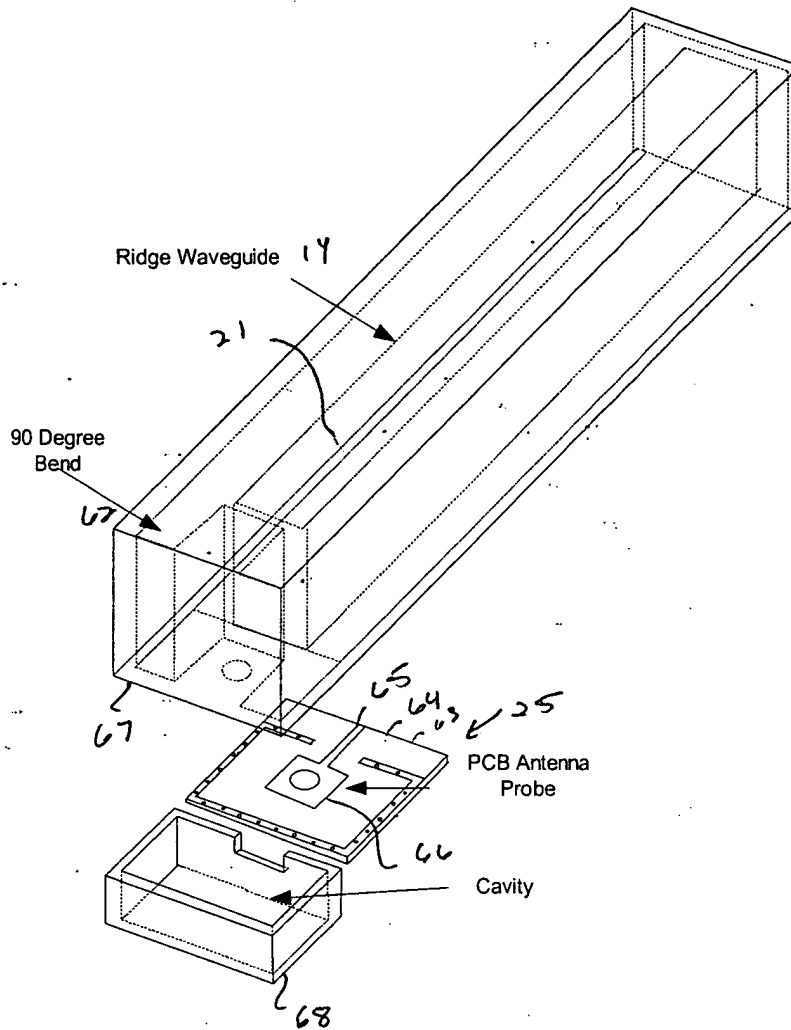


Fig. 5 A

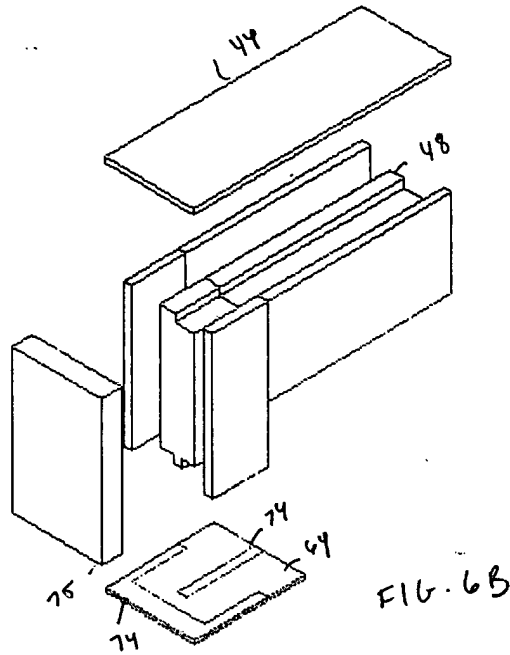


FIG. 6B

Inverted L Shape Bend and Probe Decomposition Details

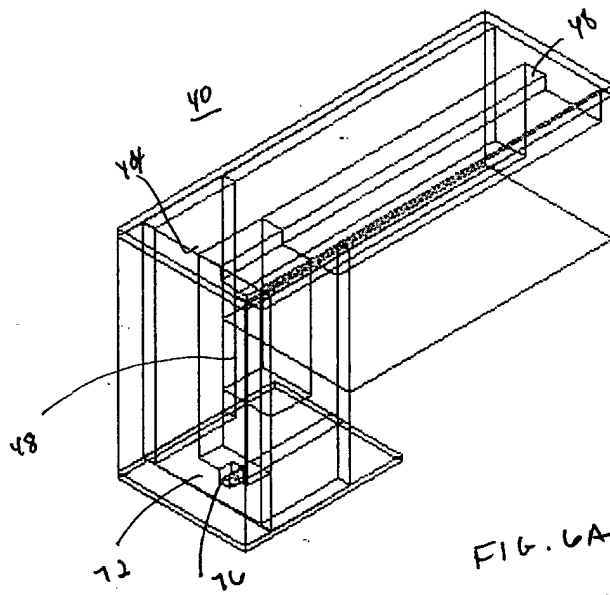


FIG. 6A

Inverted L Shape Waveguide Bend and Probe Details

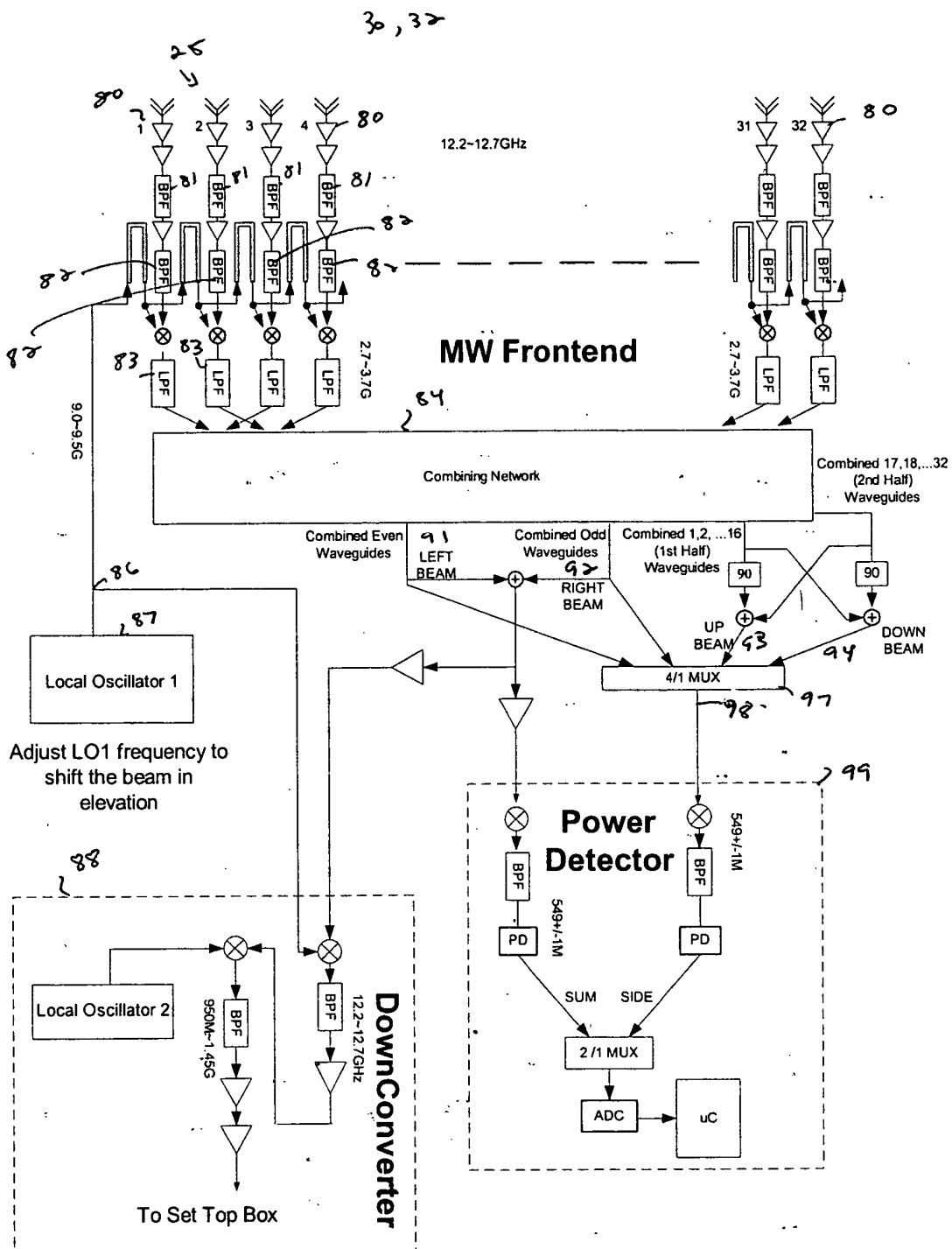


Fig. 7

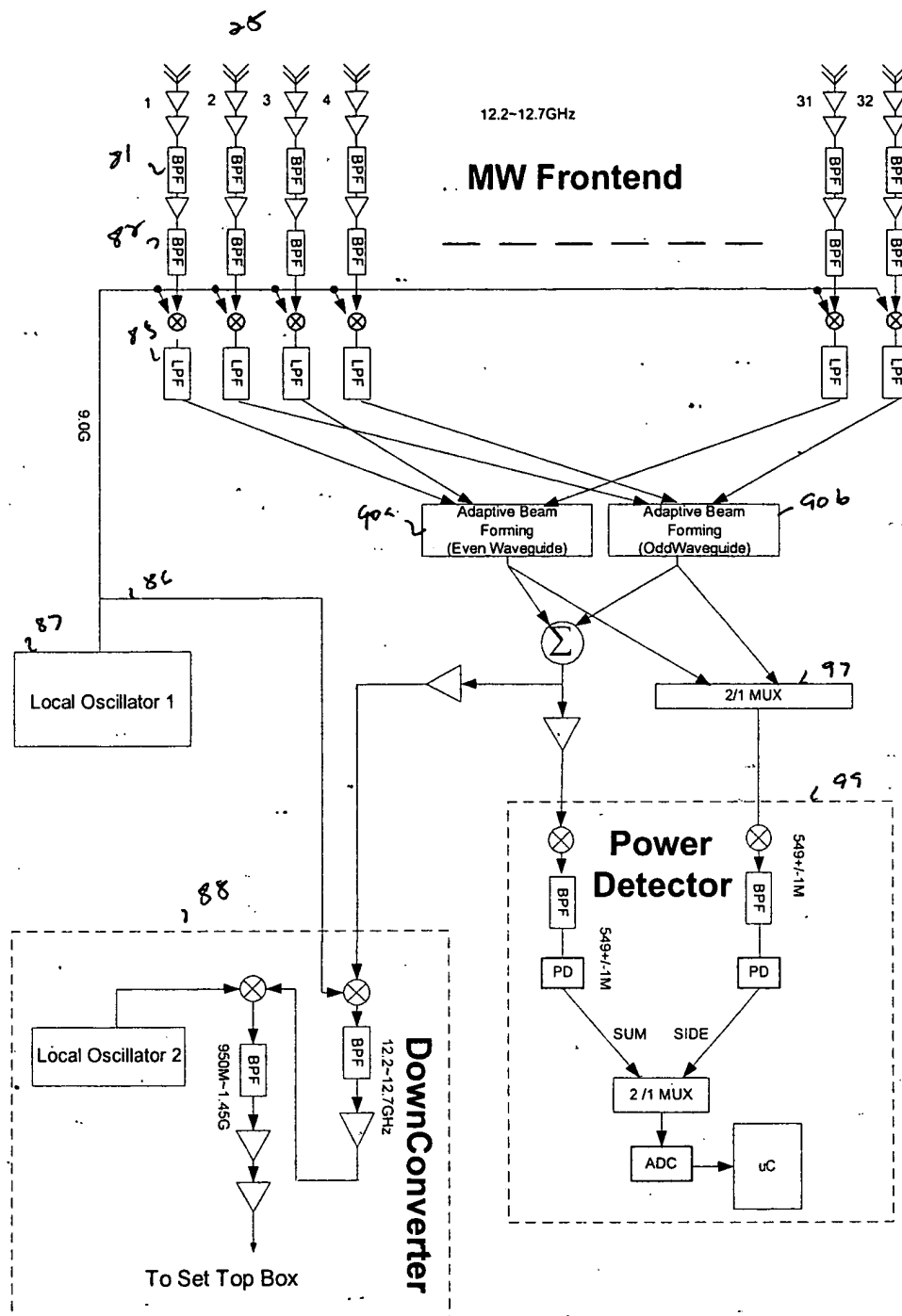


Fig. 8

2-element beam forming - Center at Elv 65, Mod beam shift 90 deg in Combiner

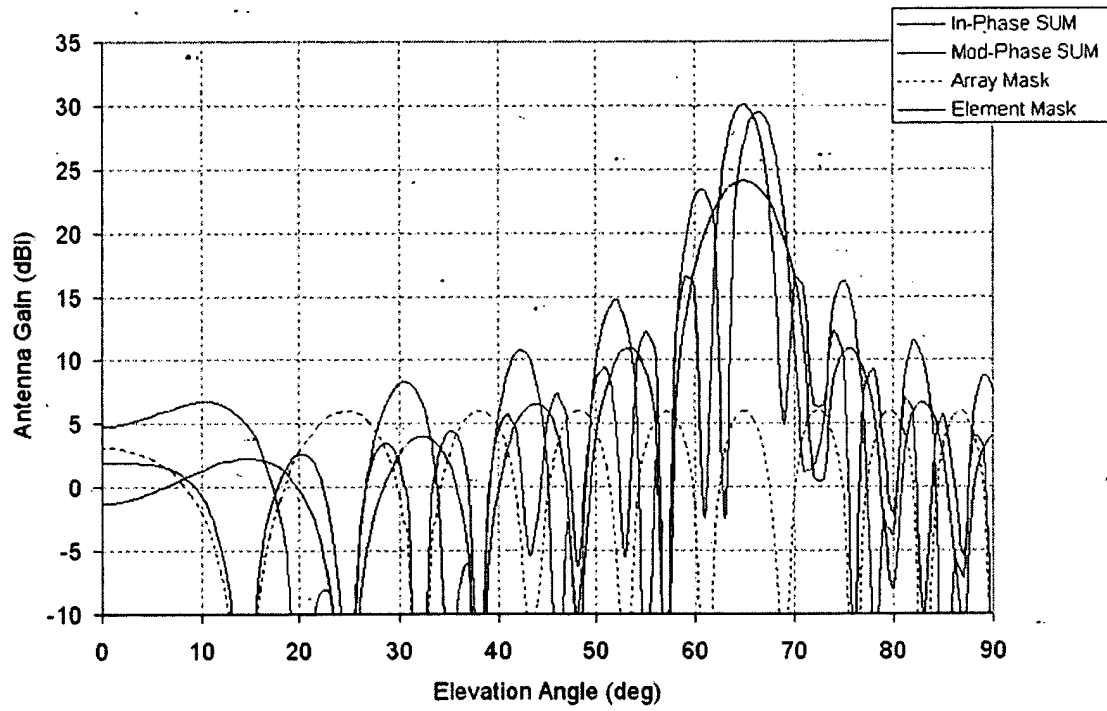


Fig. 9A

2-element beam forming - Center at Elv 30, Mod beam shift 90 deg in Combiner

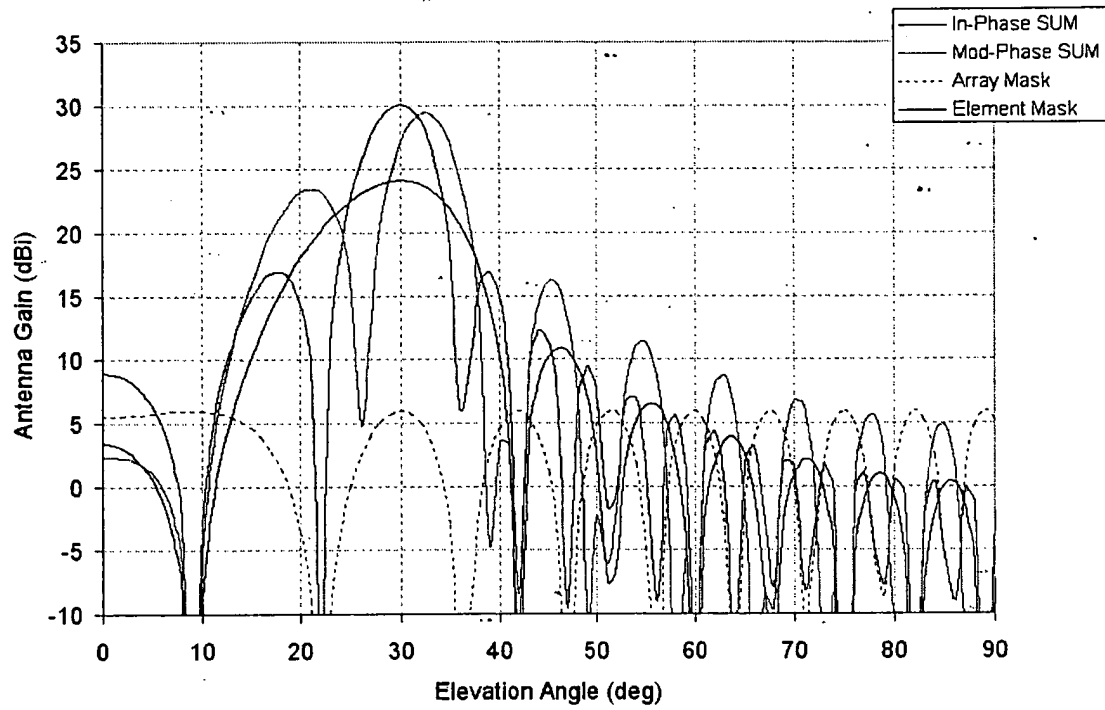


Fig. 9B

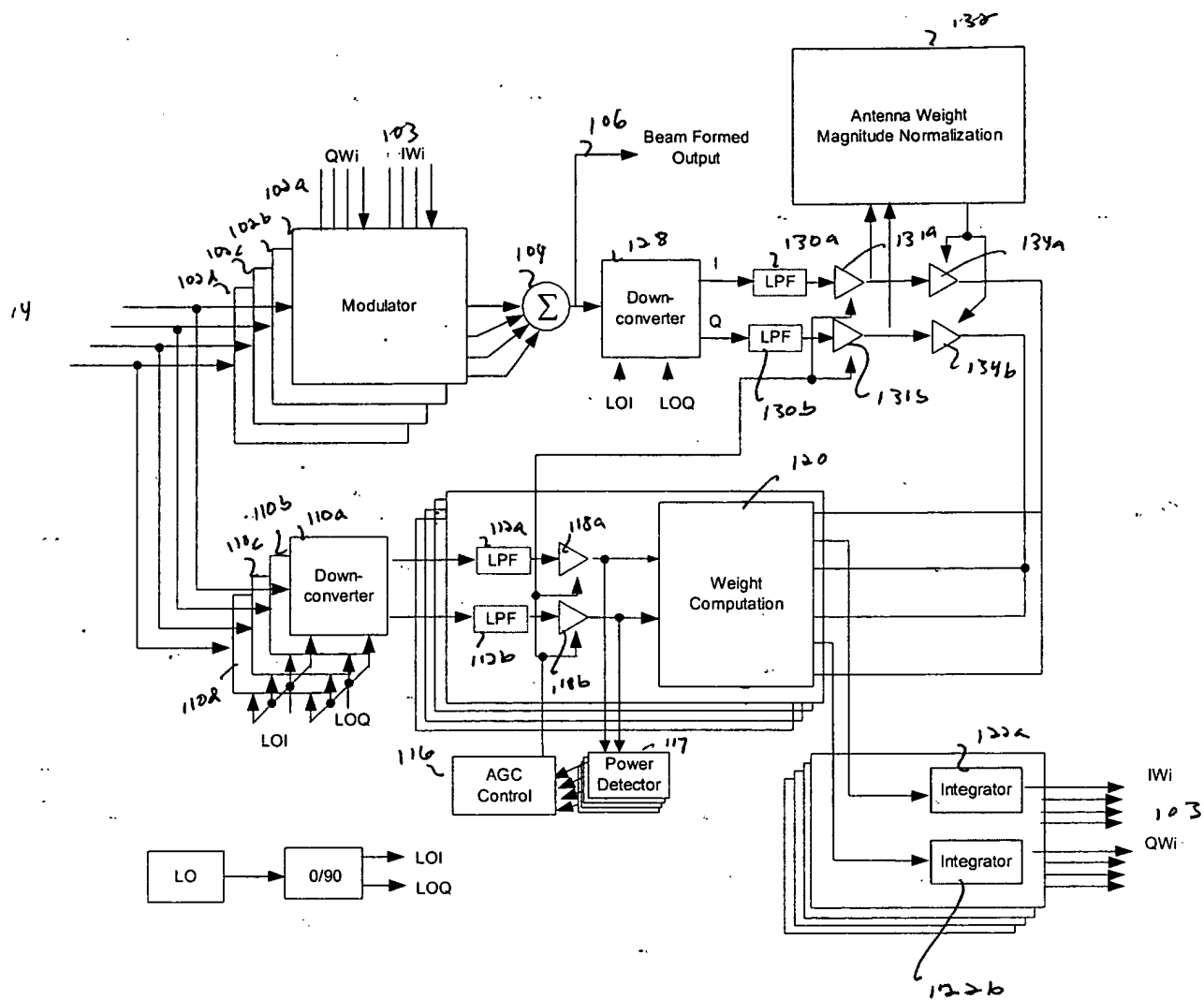


Fig. 10